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PATENT  
Attorney Docket No. BLS-004

2131 #6 BT  
10-22-02

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT(S): Crosbie  
SERIAL NO.: 09/911,092 GROUP NO.: 2131  
FILING DATE: 7/23/01 EXAMINER: Not yet assigned  
TITLE: Method and System for Enabling Seamless Roaming in a Wireless Network

**CERTIFICATE OF FIRST CLASS MAILING UNDER 37 C.F.R. 1.8**

I hereby certify that this correspondence, and any document(s) referred to as enclosed herein, is/are being deposited with the United States Postal Service as first class mail, postage prepaid, in an envelope addressed to the Commissioner for Patents, Washington, DC 20231 on this 30<sup>th</sup> day of September, 2002.

  
Wendy Martin

Commissioner for Patents  
Washington, D.C. 20231

Sir:

Submitted herewith is/are: Transmittal Form (1 page); Supplemental Information Disclosure Statement (2 pages); Form 1449 (5 pages); Cited art; Return receipt postcard.



# TRANSMITTAL FORM

Application Serial Number	09/911,092
Filing Date	7/23/01
First Named Inventor	Crosbie
Group Art Unit	2131
Examiner Name	Not yet assigned
Attorney Docket No.	BLS-004
Patent No.	Not applicable
Issue Date	Not applicable

## ENCLOSURES (check all that apply)

<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Check Attached <input type="checkbox"/> Copy of Fee Transmittal Form	<input type="checkbox"/> Copy of Notice to File Missing Parts of Application (PTO-1553)	<input type="checkbox"/> Notice of Appeal to Board of Patent Appeals and Interferences
<input type="checkbox"/> Amendment/Response <input type="checkbox"/> Preliminary <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Letter to Official Draftsperson including Drawings [Total Sheets _____]	<input type="checkbox"/> Formal Drawing(s)	<input type="checkbox"/> Appeal Brief (in triplicate)
<input type="checkbox"/> Petition for Extension of Time	<input type="checkbox"/> Request For Continued Examination (RCE) Transmittal	<input type="checkbox"/> Status Inquiry
<input checked="" type="checkbox"/> Supplemental Information Disclosure Statement <input checked="" type="checkbox"/> Form PTO-1449 <input checked="" type="checkbox"/> Copies of IDS Citations	<input type="checkbox"/> Power of Attorney (Revocation of Prior Powers)	<input checked="" type="checkbox"/> Return Receipt Postcard
<input type="checkbox"/> Certified Copy of Priority Document(s)	<input type="checkbox"/> Terminal Disclaimer	<input checked="" type="checkbox"/> Certificate of First Class Mailing under 37 C.F.R. 1.8
<input type="checkbox"/> Sequence Listing submission <input type="checkbox"/> Paper Copy/CD <input type="checkbox"/> Computer Readable Copy <input type="checkbox"/> Statement verifying identity of above	<input type="checkbox"/> Executed Declaration and Power of Attorney for Utility or Design Patent Application	<input type="checkbox"/> Certificate of Facsimile Transmission under 37 C.F.R. 1.8
	<input type="checkbox"/> Small Entity Statement	<input type="checkbox"/> Additional Enclosure(s) (please identify below)
	<input type="checkbox"/> CD(s) for large table or computer program	
	<input type="checkbox"/> Amendment After Allowance	
	<input type="checkbox"/> Request for Certificate of Correction <input type="checkbox"/> Certificate of Correction (in duplicate)	

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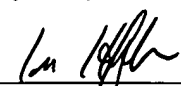
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## CORRESPONDENCE ADDRESS

Direct all correspondence to: Patent Administrator  
Testa, Hurwitz & Thibault, LLP  
High Street Tower  
125 High Street  
Boston, MA 02110  
Tel. No.: (617) 248-7000  
Fax No.: (617) 248-7100

## SIGNATURE BLOCK

Respectfully submitted,  
  
Date: September 30, 2002  
Reg. No. 41,059  
Tel. No.: (617) 248-7176  
Fax No.: (617) 248-7100  
Ira V. Heffan  
Attorney for Applicant(s)  
Testa, Hurwitz & Thibault, LLP  
High Street Tower  
125 High Street  
Boston, MA 02110



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TITLE: Method and System for Enabling Seamless Roaming in a Wireless Network

Commissioner for Patents  
Washington, D.C. 20231

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Sir:

In accordance with the provisions of 37 C.F.R. 1.97 and 1.98, Applicants hereby make of record the patents and publications listed on the accompanying Form PTO-1449, and other information contained herein, for consideration by the Examiner in connection with the examination of the above-identified patent application. Copies of the patents and publications are enclosed.

REMARKS

In accordance with the provisions of 37 C.F.R. 1.97, this statement is being filed (CHECK ONE):

- ☒ (1) within three (3) months of the **filing date** of a national application other than a continued prosecution application under 37 C.F.R. 1.53(d), or within three (3) months of the **date of entry of the national stage** as set forth in 37 C.F.R. 1.491 in an international application, or before the mailing of the **first Office action** on the merits, or before the mailing of a **first Office action** after the filing of a request for continued examination under 37 C.F.R. 1.114; or
- ☐ (2) after the period defined in (1) but before the mailing date of a **final action** or a **notice of allowance** under 37 C.F.R. 1.311, and
- ☐ the requisite Statement is below, **OR**
- ☐ the requisite fee under 37 C.F.R. 1.17(p), namely **\$180.00**, is included herein, or

- ☐ (3) after the mailing date of a **final action** or **notice of allowance** but before the payment of the **issue fee**, **AND**
- ☐ the requisite Statement is below, **AND**
- ☐ the requisite petition fee under 37 C.F.R. 1.17(p), namely **\$180.00** is included herein.

It is respectfully requested that each of the patents and publications listed on the attached Form PTO-1449, and other information contained herein, be made of record in this application.

Reference is also made to co-pending application Serial No. 10/055,028.

### STATEMENT

As required under 37 C.F.R. 1.97(e), Applicant(s), through the undersigned, hereby state either that [check the appropriate space only if either (2) or (3) is checked on the previous page and the Statement is required]:

- ☐ 1. Each item of information contained in the Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application **not more than three months** prior to the filing of the Information Disclosure Statement; or
- ☐ 2. No item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing this Statement after making reasonable inquiry, no item of information contained in the Information Disclosure Statement was known to **any individual** designated in 37 C.F.R. 1.56(c) **more than three months** prior to the filing of the Information Disclosure Statement.

Date: *SEPT. 30, 2002*  
Reg. No. 41,059

Tel. No.: (617) 248-7176  
Fax No.: (617) 248-7100

Respectfully submitted,



Ira V. Heffan  
Attorney for Applicant(s)  
Testa, Hurwitz, & Thibault, LLP  
High Street Tower  
125 High Street  
Boston, Massachusetts 02110

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SHEET 1 OF 5

FORM PTO - 1449

**INFORMATION DISCLOSURE STATEMENT**

ATTORNEY DOCKET NO.: BLS-004

APPLICANT(S): Crosbie

SERIAL NO.: 09/911,092

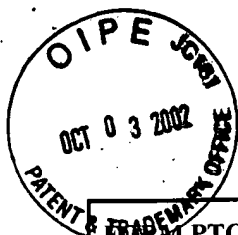
FILING DATE: 7/23/01

GROUP: 2131

**U.S. PATENT DOCUMENTS**

EXAM. INIT.		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	A1	5,987,062	11/16/99	Engwer et al.	375/225	375/227	
	A2	6,115,615	09/05/00	Ota et al.	455/553	455/552	
	A3	6,172,986 B1	01/09/01	Watanuki et al.	370/466	370/401	
	A4	6,195,705 B1	02/27/01	Leung	709/245	709/202	
	A5	6,243,581 B1	06/05/01	Jawanda	455/432	455/437	
	A6	2001/0012777 A1	08/09/01	Igarashi et al.	455/435	455/411	
	A7	2001/0014917 A1	08/16/01	Ishiyama et al.	709/227	709/220	
	A8	2001/0016492 A1	08/23/01	Igarashi et al.	455/433	709/217	
	A9	2001/0017856 A1	08/30/01	Asokan et al.	370/389	370/329	
	A10	2001/0020241 A1	09/06/01	Kawamoto et al.	707/202	709/229	
	A11	2001/0023446 A1	09/20/01	Balogh	709/229	709/227	
	A12	2001/0024443 A1	09/27/01	Alriksson et al.	370/401	370/329	
	A13	2001/0031634 A1	10/18/01	Mizutani et al.	455/425	455/550	
	A14	2001/0036224 A1	11/01/01	Demello et al.	375/220		
	A15	2001/0044305 A1	11/22/01	Reddy et al.	455/436	455/437	
	A16	2001/0048686 A1	12/06/01	Takeda et al.	370/401	370/338	
	A17	2002/0010758 A1	01/24/02	Chan	709/218	705/14	
	A18	2002/0013831 A1	01/31/02	Astala et al.	709/220	709/203	
	A19	2002/0032855 A1	03/14/02	Neves et al.	713/154	380/258	
	A20	2002/0032858 A1	03/14/02	Nakano et al.	713/159	713/200	
	A21	2002/0034298 A1	03/21/02	Gallagher et al.	380/247	713/155	
	A22	2002/0034301 A1	03/21/02	Andersson	380/270		
	A23	2002/0037708 A1	03/28/02	McCann et al.	455/411	455/408	

**EXAMINER****DATE CONSIDERED**



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PTO - 1449		Technology Center 2100		ATTORNEY DOCKET NO.: BLS-004					
INFORMATION DISCLOSURE STATEMENT				APPLICANT(S): Crosbie					
				SERIAL NO.: 09/911,092					
				FILING DATE: 7/23/01		GROUP: 2131			
U.S. PATENT DOCUMENTS									
EXAM. INIT.		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE		
	A24	2002/0046179 A1	04/18/02	Kokudo	705/51				
	A25	2002/0046285 A1	04/18/02	Yasushi et al.	709/228	709/218			
	A26	6,377,548 B1	04/23/02	Chuah	370/233	370/234			
	A27	2002/0052965 A1	05/02/02	Dowling	709/230	709/203			
	A28	2002/0066029 A1	05/30/02	Yi	713/201				
	A29	2002/0066032 A1	05/30/02	Kurumida	713/201	713/202			
	A30	2002/0066036 A1	05/30/02	Makineni et al.	713/201				
	A31	2002/0069278 A1	06/06/02	Forslow	709/225	709/229			
	A32	2002/0073240 A1	06/13/02	Kokkinen et al.	709/249	709/250			
	A33	2002/0075844 A1	06/20/02	Hagen	370/351	370/328			
	A34	2002/0085719 A1	07/04/02	Crosbie					
	A35	2002/0087335 A1	07/04/02	Meyers et al.	705/1				
	A36	2002/0098840 A1	07/25/02	Hanson et al.	455/435	455/432			
	A37	2002/0101848 A1	08/01/02	Lee et al.	370/349	370/352			
	A38	2002/0114303 A1	08/22/02	Crosbie et al.					
FOREIGN PATENT DOCUMENTS									
EXAM. INIT.		DOCUMENT NUMBER	DATE	COUNTRY CODE	CLASS	SUB CLASS	FILING DATE	ABSTRACT ONLY	ENGLISH LANG (Y/N)
	B1	EP 1 011 243 A1	21/06/00	EP	29/06	12/56			
	B2	WO 00/36522	22/06/00	PCT	15/16	15/173			
	B3	WO 02/41587 A2	23/05/02	PCT	12/28	12/56			Y
OTHER ART, JOURNAL ARTICLES, ETC.									
EXAM. INIT.	OTHER DOCUMENTS: (Including Author, Title, Date, Relevant Pages, Place of Publication)								
EXAMINER					DATE CONSIDERED				



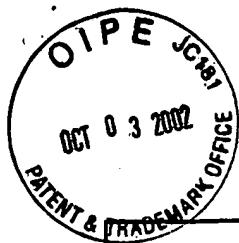
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EXAM. INIT.		DOCUMENT NUMBER	DATE	COUNTRY CODE	CLASS	SUB CLASS	FILING DATE	ABSTRACT ONLY	ENGLISH LANG (Y/N)
	B4	WO 02/065707 A2	22/08/02	PCT	12/28				Y
	B5	PCT/US02/08986		PCT			21/03/02		Y
OTHER ART, JOURNAL ARTICLES, ETC.									
EXAM. INIT.	OTHER DOCUMENTS: (Including Author, Title, Date, Relevant Pages, Place of Publication)								
	C1	Bluetooth Specification Version 1.1, <i>Section 10.9 Scatternet</i> : 120-123 (2001).							
	C2	Bluetooth Specification Version 1.1, <i>Part C: Link Manager Protocol</i> : 184-252 (2001).							
	C3	Bluetooth Specification Version 1.1, <i>Part H:1: Host Controller Interface Functional Specification</i> : 536-780 (2001).							
	C4	Bluetooth Specification Version 1.1, <i>Part H:2: HCI USB Transport Layer</i> : 782-796 (2001).							
	C5	Bluetooth Specification Version 1.1, <i>Part H:3: HCI RS232 Transport Layer</i> : 798-818 (2001).							
	C6	Bluetooth Specification Version 1.1, <i>Part H:4: HCI UART Transport Layer</i> : 820-826 (2001).							
	C7	"PSDN Solution for CDMA2000 Networks," (2 pgs.) [online], [Retrieved on 1/25/02]. Retrieved from the Internet: <URL: <a href="http://www.cisco.com/warp/public/779/servpro/solutions/wireless_mobile/pdsn.html">http://www.cisco.com/warp/public/779/servpro/solutions/wireless_mobile/pdsn.html</a> >.							
	C8	Cisco White Paper, "Cisco Code-Division Multiple Access Performance Management", (15 pgs.) [online], [Retrieved on 1/25/02]. Retrieved from the Internet: <URL: <a href="http://www.cisco.com/warp/public/779/servpro/solutions/wireless_mobile/pdsn.html">http://www.cisco.com/warp/public/779/servpro/solutions/wireless_mobile/pdsn.html</a> >.							
	C9	Haartsen, J., "Bluetooth-The universal radio interface for <i>ad hoc</i> , wireless connectivity", <i>Ericsson Review No. 3</i> , pgs. 110-117, 1998, XP000783249 ISSN: 0014-0171							
EXAMINER					DATE CONSIDERED				

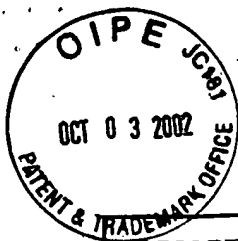
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<b>EXAM. INIT.</b>		<b>DOCUMENT NUMBER</b>	<b>DATE</b>	<b>NAME</b>	<b>CLASS</b>	<b>SUB CLASS</b>	<b>FILING DATE IF APPROPRIATE</b>		
<b>FOREIGN PATENT DOCUMENTS</b>									
<b>EXAM. INIT.</b>		<b>DOCUMENT NUMBER</b>	<b>DATE</b>	<b>COUNTRY CODE</b>	<b>CLASS</b>	<b>SUB CLASS</b>	<b>FILING DATE</b>	<b>ABSTRACT ONLY</b>	<b>ENGLISH LANG (Y/N)</b>
<b>OTHER ART, JOURNAL ARTICLES, ETC.</b>									
<b>EXAM. INIT.</b>	<b>OTHER DOCUMENTS: (Including Author, Title, Date, Relevant Pages, Place of Publication)</b>								
	C10	Lough et al., "A Short Tutorial on Wireless LANs and IEEE 802.11", (5 pgs.) [online], [Retrieved on 10/16/01]. Retrieved from the Internet: <URL: <a href="http://www.computer.org/students/looking/summer97/ieee802.htm">http://www.computer.org/students/looking/summer97/ieee802.htm</a> >.							
	C11	"Medium Access Control (MAC) and Physical (PHY) Specifications," <i>MAC Sublayer Management Entity</i> : 123-128, ANSI/IEEE Std 802.11 (1999)							
	C12	Mitzel, D., "Overview of 2000 IAB Wireless Internetworking Workshop", (40 pgs.) [online], December, 2000 [Retrieved on 01/25/02]. Retrieved from the Internet: <URL: <a href="http://www.ietf.org/rfc/rfc3002.txt?number=3002">http://www.ietf.org/rfc/rfc3002.txt?number=3002</a> >.							
	C13	Perkins, C., "IP Mobility Support", (67 pgs.) [online], October, 1996 [Retrieved on 09/16/02]. Retrieved from the Internet: <URL: <a href="http://www.ietf.org/rfc/rfc2002.txt?number=2002">http://www.ietf.org/rfc/rfc2002.txt?number=2002</a> >.							
	C14	"A Practical Approach to Identifying and Tracking Unauthorized 802.11 Cards and Access Points", (26 pgs.) [online], [Retrieved on 09/10/01]. Retrieved from the Internet: <URL: <a href="http://www.interlinknetworks.com/graphics/news/wireless_detection_and_tracking.pdf">http://www.interlinknetworks.com/graphics/news/wireless_detection_and_tracking.pdf</a> >.							
	C15	"RoamAD" (6 pgs.) [online], [Retrieved on 9/16/02]. Retrieved from the Internet: <URL: <a href="http://www.roamad.com/roam">http://www.roamad.com/roam</a> >.							
	C16	Solomon, J., "Applicability Statement for IP Mobility Support", (5 pgs.) [online], October, 1996 [Retrieved on 01/25/02]. Retrieved from the Internet: <URL: <a href="http://www.ietf.org/rfc/rfc2005.txt?number=2005">http://www.ietf.org/rfc/rfc2005.txt?number=2005</a> >.							
	C17	Townesley, W., et al., "Layer Two Tunneling Protocol 'L2TP'," [online], August, 1999 [Retrieved on 08/29/01]. Retrieved from the Internet: <URL: <a href="http://www.ietf.org/rfc/rfc2661.txt?number=2661">http://www.ietf.org/rfc/rfc2661.txt?number=2661</a> >.							
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<b>OTHER ART, JOURNAL ARTICLES, ETC.</b>									
<b>EXAM. INIT.</b>	<b>OTHER DOCUMENTS: (Including Author, Title, Date, Relevant Pages, Place of Publication)</b>								
	C18	Vernier Networks Whitepaper, "Controlling the Network Edge: Vernier Networks and the Enterprise", (7 pgs.) [online], June, 2002 [Retrieve on 9/10/02]. Retrieved from the Internet: <URL:www.verniernetworks.com>.							
	C19	Vernier Networks Whitepaper, "High Availability for Wireless Edge Connectivity", (6 pgs.) [online], June, 2002 [Retrieve on 9/10/02]. Retrieved from the Internet: <URL:www.verniernetworks.com>.							
	C20	Vernier Networks Whitepaper, "The Vernier Networks System", (7 pgs.) [online], [Retrieve on 9/10/02]. Retrieved from the Internet: <URL:www.verniernetworks.com>.							
	C21	Vernier Networks Whitepaper, "The Three Phases of WLAN Deployments", (2 pgs.) [online], June, 2002 [Retrieve on 9/10/02]. Retrieved from the Internet: <URL:www.verniernetworks.com>.							
	C22	Vernier Networks Whitepaper, "Vernier Networks: Ensuring the Promise of 802.11b Networks", (5 pgs.) [online], June, 2002 [Retrieve on 9/10/02]. Retrieved from the Internet: <URL:www.verniernetworks.com>.							
	C23	Vernier Networks Whitepaper, "Wireless Security: Protecting Your 802.11 Network", (3 pgs.) [online], June, 2002 [Retrieve on 9/10/02]. Retrieved from the Internet: <URL:www.verniernetworks.com>.							
	C24	International Search Report for International Application No: PCT/US01/23145, dated 16/08/02							
	C25	International Search Report for International Application No: PCT/US02/08986, dated 19/08/02							
<b>EXAMINER</b>					<b>DATE CONSIDERED</b>				

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